

REMARKS

In response to the December 19, 2003 Restriction Requirement, Applicants elect Group II, claims 5-14, 30 and 33 drawn to an isolated nucleic acid, and a vector, cell, composition and kit comprising the nucleic acid, classified in class 536, subclass 23.1. Further, Applicants elect the nucleic acid sequence, SEQ ID NO: 53, encoding the polypeptide SEQ ID NO: 54.

Applicants make the sequence election with traverse.

SEQ ID NOS: 43-48 and 49-52 (corresponding to NOV15a-c and 15e-f, respectively), are related sequences (see Attachment A). The subject matter of claims 5-14, 30, and 33, which is partially directed to SEQ ID NOS: 43-48 and 49-52, is reasonably related to SEQ ID NOS: 53 and 54. The search of the art relevant to SEQ ID NOS: 53 and 54 will necessarily encompass the subject matter of SEQ ID NOS: 43-48 and 49-52. Therefore, no additional burden is placed upon the Examiner to examine the compositions of SEQ ID NOS: 43-48 and 49-52.

The M.P.E.P. § 803 (Eighth Edition, August 2001, revised February 2003) states:

If the search and examination of an entire application can be made without serious search burden, the Examiner must examine it on the merit, even though it includes claims to independent and distinct inventions.

Accordingly, Applicants submit that claims directed to NOV15a-c and NOV15e-f (*i.e.*, SEQ ID NOS: 43-48 and 49-52) should be examined as well, because the search and examination of these claims would not unduly burden the examiner.

Upon entry of this amendment, claims 5, 9-14, and 30 will be pending. Claims 1-4, 15-29, 31-32, and 34-41 have been canceled without prejudice or disclaimer, as drawn to non-elected subject matter. Elected claims 6-8, and 33 have been canceled. Applicants reserve the right to pursue the subject matter of canceled claims in a later application. Claims 5, 9-12, and 30 have been amended to further reflect the subject matter. No new matter is presented in this amendment.

CORRECTION OF INVENTORSHIP UNDER 37 C.F.R. § 1.48(b).

Applicants have concurrently filed a Petition and Amendment to Correct Inventorship under 37 C.F.R. §1.48(b) (copy attached hereto), with the processing fee set forth in 37 C.F.R. § 1.17(i). The Petition and Amendment correcting inventorship requests the deletion of the

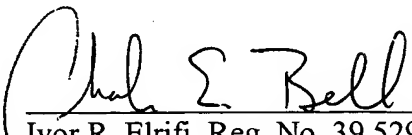
following persons who are not inventors of the claimed invention, as amended : Anderson, David W.; Andrew, David ; Ballinger, Robert A.; Baumgartner, Jason C; Boldog, Ferenc L.; Burgess, Catherine E.; Casman, Stacie J.; DeCristofaro, Marc F.; Edinger, Shlomit; Eisen, Andrew; Ellerman, Karen E.; Fernandes, Elma; Gerlach, Valerie L.; Gusev, Vladimir Y.; Kekuda, Ramesh; Li, Li; Liu, Xiaohong; MacDougall, John R.; Malyankar, Uriel M.; Mezes, Peter D.; Miller, Charles E.; Padigaru, Muralidhara ; Patturajan, Meera; Pena, Carol E.A.; Rothenberg, Mark E.; Shenoy, Suresh G.; Shimkets, Richard A.; Smithson, Glennda; Spytek, Kimberly A.; Stone, David J.; Taillon, Bruce; Taupier, Raymond J.; Tchernev, Velizar T.; Vernet, Corine; Wolenc, Adam; Zerhusen, Bryan D.; and Zhong, Mei

Upon entry of this amendment, Xiaojia Guo and Luca Rastelli are named as inventors of the claimed invention. Claims to the inventions of the deleted inventors have been canceled.

CONCLUSION

Applicants respectfully request that the amendments and remarks made herein be entered and made of record in the file history of the present application. Applicants respectfully submit that this paper is fully responsive and that the pending claims are in condition for allowance. Such action is respectfully requested. If there are any questions regarding these amendments and remarks, the Examiner is encouraged to contact the undersigned at the telephone number provided below.

Respectfully submitted,

for:  Reg. No. 48, 128
Ivor R. Elrifi, Reg. No. 39,529
Attorney for Applicants
c/o MINTZ LEVIN
Tel.: (617) 542-6000
Fax: (617) 542-2241
Customer No. 30623

Dated: June 21, 2004

Applicants: Rastelli and Guo (as amended)
U.S.S.N. 10/055,877

ATTACHMENT A

Alignment of CG56449-01 (SEQ ID NO: 44, NOV15a), CG56449-02 (SEQ ID NO: 46, NOV15b), CG56449-03 (SEQ ID NO: 48, NOV15c), CG56449-06 (SEQ ID NO: 52, NOV15e) and CG56449-08(SEQ ID NO: 54, NOV15f)

CG56449-01	1	MPMGHSDRWSWRLRLALPLPVWLPAGGGRGADS----	PCLCSRPHVCAEQELTLVGRRQ	56
CG56449-06	1	MPMGHSDRWSWRLRLALPLPVWLPAGGGRGADS----	PCLCSRPHVCAEQELTLVGRRQ	56
CG56449-02	1	MPMGHSDRWSWRLRLALPLPVWLPAGGGRGADS----	PCLCSRPHVCAEQELTLVGRRQ	56
CG56449-08	1	MSFLEEARAAGRAVVLALVLLLLPAVPV GASVPPRLLFLQPGMPHVC	AEQELTLVGRRQ	60
CG56449-03	1	MPMGHSDRWSWRLRLALPLPVWLPAGGGRGADS----	PCLCSRPHVCAEQELTLVGRRQ	56
CG56449-01	57	PCVQALSHTVPVWKAGCGWQAWCVGHERRTVYYMGYRQVYTTEARTVLRCCRGWMQ	QPD	116
CG56449-06	57	PCVQALSHTVPVWKAGCGWQAWCVGHERRTVYYMGYRQVYTTEARTVLRCCRGWMQ	QPD	116
CG56449-02	57	PCVQALSHTVPVWKAGCGWQAWCVGHERRTVYYMGYRQVYTTEARTVLRCCRGW	TQPD	116
CG56449-08	61	PCVQALSHTVPVWKAGCGWQAWCVGHERRTVYYMGYRQVYTTEARTVLRCCRGWMQ	QPD	120
CG56449-03	57	PCVQALSHTVPVWKAGCGWQAWCVGHERRTVYYMGYRQVYTTEARTVLRCCRGW	TQPD	116
CG56449-01	117	EGCLSDVGECANANGGCAGRCDTVGGFYCRWPPPSHQLQGDGETCQDVDECRTHNGGCQ		176
CG56449-06	117	EGCLSDVGECANANGGCAGRCDTVGGFYCRWPPPSHQLQGDGETCQDVDECRTHNGGCQ		176
CG56449-02	117	EGCLS--AECSASLCFHGGRCVPGS-AQPCHCPP-G--FQGP-RCQYDVDECRTHNGGCQ		169
CG56449-08	121	EGCLSDVGECANANGGCAGRCDTVGGFYCRWPPPSHQLQGDGETCQDVDECRTHNGGCQ		180
CG56449-03	117	EGCLS--AECSASLCFHGGRCVPGS-AQPCHCPP--GFQGP-RCQYDVDECRTHNGGCQ		169
CG56449-01	177	HRCVNTPGSYLCECKPGFRLHTDSRTC-AINSCALNGGCQHHCVQLTITRHRQCQRPGF		235
CG56449-06	177	HRCVNTPGSYLCECKPGFRLHTDSRTC-AINSCALNGGCQHHCVQLTITRHRQCQRPGF		235
CG56449-02	170	HRCVNTPGSYLCECKPGFRLHTDSRTC-AINSCALNGGCQHHCVQLTITRHRQCQRPGF		229
CG56449-08	181	HRCVNTPGSYLCECKPGFRLHTDSRTC-AINSCALNGGCQHHCVQLTITRHRQCQRPGF		239
CG56449-03	170	HRCVNTPGSYLCECKPGFRLHTDSRTC-AINSCALNGGCQHHCVQLTITRHRQCQRPGF		229
CG56449-01	236	QLQEDGRHCVRRSPCANRNGSCMHRQVVRGLARCECHVG YQLAADGKACEDVDECAAGL		295
CG56449-06	236	QLQEDGRHCVRRSPCANRNGSCMHRQVVRGLARCECHVG YQLAADGKACEDVDECAAGL		295
CG56449-02	230	QLQEDGRHCVRRSPCANRNGSCMHRQVVRGLARCECHVG YQLAADGKACEDVDECAAGL		289
CG56449-08	240	QLQEDGRHCVRRSPCANRNGSCMHRQVVRGLARCECHVG YQLAADGKACEDVDECAAGL		299
CG56449-03	230	QLQEDGRHCVRRSPCANRNGSCMHRQVVRGLARCECHVG YQLAADGKACEDVDECAAGL		289
CG56449-01	296	AQCAHGCLNTQGSFKCVCHAGYELGADGRQCYRIEMEIVNSCEANNGGCSHGC	SHTSAGP	355
CG56449-06	296	AQCAHGCLNTQGSFKCVCHAGYELGADGRQCYRIEMEIVNSCEANNGGCSHGC	SHTSAGP	355
CG56449-02	290	AQCAHGCLNTQGSFKCVCHAGYELGADGRQCYRIEMEIVNSCEANNGGCSHGC	SHTSAGP	349
CG56449-08	300	AQCAHGCLNTQGSFKCVCHAGYELGADGRQCYRIEMEIVNSCEANNGGCSHGC	SHTSAGP	359
CG56449-03	290	AQCAHGCLNTQGSFKCVCHAGYELGADGRQCYRIEMEIVNSCEANNGGCSHGC	SHTSAGP	349

Applicants: Rastelli and Guo (as amended)
U.S.S.N. 10/055,877

CG56449-01	356	LCTCPRGYELDTDQRTC I RCRR LCRQPV LQQVCTNNPGGYECGCGYAGYRLSADGCGCEDV	415
CG56449-06	356	LCTCPRGYELDTDQRTC I RCRR LCRQPV LQQVCTNNPGGYECGCGYAGYRLSADGCGCEDV	415
CG56449-02	350	LCTCPRGYELDTDQRTC I RCRR LCRQPV LQQVCTNNPGGYECGCGYAGYRLSADGCGCEDV	409
CG56449-08	360	LCTCPRGYELDTDQRTC I RCRR LCRQPV LQQVCTNNPGGYECGCGYAGYRLSADGCGCEDV	419
CG56449-03	350	LCTCPRGYELDTDQRTC I RCRR LCRQPV LQQVCTNNPGGYECGCGYAGYRLSADGCGCEDV	409
CG56449-01	416	DECASSRGGCEHHCTNLAGSFQCSCEAGYRLHEDRRGCSALEEPMVDLDGELP FVRPLPH	475
CG56449-06	416	DECASSRGGCEHHCTNLAGSFQCSCEAGYRLHEDRRGCSALEEPMVDLDGELP FVRPLPH	475
CG56449-02	410	DECASSRGGCEHHCTNLAGSFQCSCEAGYRLHEDRRGCSALEEPMVDLDGELP FVRPLPH	469
CG56449-08	420	DECASSRGGCEHHCTNLAGSFQCSCEAGYRLHEDRRGCSALEEPMVDLDGELP FVRPLPH	479
CG56449-03	410	DECASSRGGCEHHCTNLAGSFQCSCEAGYRLHEDRRGCSALEEPMVDLDGELP FVRPLPH	469
CG56449-01	476	I AVLQDEL PQLF QDDDVGADEEE AELRGEHT L TEKFVCLDDSF GHDCS LT CDDCRNGGTC	535
CG56449-06	476	I AVLQDEL PQLF QDDDVGADEEE AELRGEHT L TEKFVCLDDSF GHDCS LT CDDCRNGGTC	535
CG56449-02	470	I AVLQDEL PQLF QDDDVGADEEE AELRGEHT L TEKFVCLDDSF GHDCS LT CDDCRNGGTC	529
CG56449-08	480	I AVLQDEL PQLF QDDDVGADEEE AELRGEHT L TEKFVCLDDSF GHDCS LT CDDCRNGGTC	539
CG56449-03	470	I AVLQDEL PQLF QDDDVGADEEE AELRGEHT L TEKFVCLDDSF GHDCS LT CDDCRNGGTC	529
CG56449-01	536	LLGLDGGDCPEGWTGL I CNESCPDPTFGKNCSFSCSCQNGGTCDSVTGACRCP PGVSGTN	595
CG56449-06	536	LLGLDGGDCPEGWTGL I CNESCPDPTFGKNCSFSCSCQNGGTCDSVTGACRCP PGVSGTN	595
CG56449-02	530	LLGLDGGDCPEGWTGL I CNESCPDPTFGKNCSFSCSCQNGGTCDSVTGACRCP PGVSGTN	589
CG56449-08	540	LLGLDGGDCPEGWTGL I CNESCPDPTFGKNCSFSCSCQNGGTCDSVTGACRCP PGVSGTN	599
CG56449-03	530	LLGLDGGDCPEGWTGL I CNESCPDPTFGKNCSFSCSCQNGGTCDSVTGACRCP PGVSGTN	589
CG56449-01	596	CEDGCPKGYGKHCRRKKNCANRGRCHRLYGACLDPGLYGRFCHLACPPWAF GPGCSEE	655
CG56449-06	596	CEDGCPKGYGKHCRRKKNCANRGRCHRLYGACLDPGLYGRFCHLACPPWAF GPGCSEE	655
CG56449-02	590	CEDGCPKGYGKHCRRKKNCANRGRCHRLYGACLDPGLYGRFCHLACPPWAF GPGCSEE	649
CG56449-08	600	CEDGCPKGYGKHCRRKKNCANRGRCHRLYGACLDPGLYGRFCHLACPPWAF GPGCSEE	659
CG56449-03	590	CEDGCPKGYGKHCRRKKNCANRGRCHRLYGACLDPGLYGRFCHLACPPWAF GPGCSEE	649
CG56449-01	656	CQCVPHTQSCDKRDGSCSCKAGFRGERCQAECEPGYFGPGCWQACTCP VGVACDS VSGE	715
CG56449-06	656	CQCVPHTQSCDKRDGSCSCKAGFRGERCQAECEPGYFGPGCWQACTCP VGVACDS VSGE	715
CG56449-02	650	CQCVPHTQSCDKRDGSCSCKAGFRGERCQAECEPGYFGPGCWQACTCP VGVACDS VSGE	709
CG56449-08	660	CQCVPHTQSCDKRDGSCSCKAGFRGERCQAECEPGYFGPGCWQACTCP VGVACDS VSGE	719
CG56449-03	650	CQCVPHTQSCDKRDGSCSCKAGFRGERCQAECEPGYFGPGCWQACTCP VGVACDS VSGE	709
CG56449-01	716	CGKRCAPAGFQGEDCGQEC P VGT FGVNCSSSSCSGGAPCHGVTGQCRCP P GRTGEDCEAGE	775
CG56449-06	716	CGKRCAPAGFQGEDCGQEC P VGT FGVNCSSSSCSGGAPCHGVTGQCRCP P GRTGEDCEAGE	775
CG56449-02	710	CGKRCAPAGFQGEDCGQEC P VGT FGVNCSSSSCSGGAPCHGVTGQCRCP P GRTGEDCEAGE	769
CG56449-08	720	CGKRCAPAGFQGEDCGQEC P VGT FGVNCSSSSCSGGAPCHGVTGQCRCP P GRTGEDCEAGE	779
CG56449-03	710	CGKRCAPAGFQGEDCGQEC P VGT FGVNCSSSSCSGGAPCHGVTGQCRCP P GRTGEDCEAGE	769
CG56449-01	776	CEGLWGLGCQE I CPACHNAARCDPETGACLC L PGFVGSRCQD - CEAGWYGPSCQTMSCA	834
CG56449-06	776	CEGLWGLGCQE I CPACHNAARCDPETGACLC L PGFVGSRCQD - CEAGWYGPSCQTMSCA	834
CG56449-02	770	CEGLWGLGCQE I CPACHNAARCDPETGACLC L PGFVGSRCQD - CEAGWYGPSCQTMSCA	828
CG56449-08	780	CEGLWGLGCQE I CPACHNAARCDPETGACLC L PGFVGSRCQD - CEAGWYGPSCQTMSCA	838
CG56449-03	770	CEGLWGLGCQE I CPACHNAARCDPETGACLC L PGFVGSRCQD - CEAGWYGPSCQTMSCA	829
CG56449-01	835	NDGHCHQDTGHCS CAP GWT GFS CQACDTHGWGPDCHPCNCS AGHGS CDA ISGLCLCEA	894
CG56449-06	835	NDGHCHQDTGHCS CAP GWT GFS CQACDTHGWGPDCHPCNCS AGHGS CDA ISGLCLCEA	894
CG56449-02	829	NDGHCHQDTGHCS CAP GWT GFS CQACDTHGWGPDCHPCNCS AGHGS CDA ISGLCLCEA	888
CG56449-08	839	NDGHCHQDTGHCS CAP GWT GFS CQACDTHGWGPDCHPCNCS AGHGS CDA ISGLCLCEA	898
CG56449-03	830	NDGHCHQDTGHCS CAP GWT GFS CQACDTHGWGPDCHPCNCS AGHGS CDA ISGLCLCEA	889
CG56449-01	895	GYVGP RCEQSECPQGHP GP GCE QRCQCQHGAACDHVSGACTCP AGWRGT FCEHACP AGFF	954
CG56449-06	895	GYVGP RCEQSECPQGHP GP GCE QRCQCQHGAACDHVSGACTCP AGWRGT FCEHACP AGFF	954
CG56449-02	889	GYVGP RCEQSECPQGHP GP GCE QRCQCQHGAACDHVSGACTCP AGWRGT FCEHACP AGFF	948
CG56449-08	899	GYVGP RCEQSECPQGHP GP GCE QRCQCQHGAACDHVSGACTCP AGWRGT FCEHACP AGFF	958
CG56449-03	890	GYVGP RCEQSECPQGHP GP GCE QRCQCQHGAACDHVSGACTCP AGWRGT FCEHACP AGFF	948
CG56449-01	955	GLDCRSACNCTAGAACDAVNGS CLCPAGRRGPRAESACPAHTYGHNCSSQACACFNAGASC	1014
CG56449-06	955	GLDCRSACNCTAGAACDAVNGS CLCPAGRRGPRAESACPAHTYGHNCSSQACACFNAGASC	1013
CG56449-02	949	GLDCRSACNCTAGAACDAVNGS CLCPAGRRGPRAESACPAHTYGHNCSSQACACFNAGASC	1008
CG56449-08	959	GLDCRSACNCTAGAACDAVNGS CLCPAGRRGPRAESACPAHTYGHNCSSQACACFNAGASC	1018
CG56449-03	949	GLDCRSACNCTAGAACDAVNGS CLCPAGRRGPRAESACPAHTYGHNCSSQACACFNAGASC	1007
CG56449-01	1015	DPVHGQCHCAP GWMGP SCLQACPAGLYGDNCRHSCLCQNGGTCDPVSGHCACP EGWAG--	1072
CG56449-06	1014	DPVHGQCHCAP GWMGP SCLQACPAGLYGDNCRHSCLCQNGGTCDPVSGHCACP EGWAG--	1071
CG56449-02	1009	DPVHGQCHCAP GWMGP SCLQACPAGLYGDNCRHSCLCQNGGTCDPVSGHCACP EGWAG--	1066
CG56449-08	1019	DPVHGQCHCAP GWMGP SCLQACPAGLYGDNCRHSCLCQNGGTCDPVSGHCACP EGWAG--	1076
CG56449-03	1008	DPVSGHCACP EGWAGLACKECP PRDVRAGCRHSCLCQNGGTCDPHTRGRLCLCPAGWAGDK	1067

Applicants: Rastelli and Guo (as amended)
U.S.S.N. 10/055,877

CG56449-01	1073	-----LACEVECLPRDVRAGCRHS	1091
CG56449-06	1072	-----LACEVECLPRDVRAGCRHS	1090
CG56449-02	1067	-----LACEVECLPRDVRAGCRHS	1085
CG56449-08	1077	-----LACEVECLPRDVRAGCRHS	1095
CG56449-03	1068	CQSPCLRGWFGEACAQHCS CPP GAACHHVTGACRCP PGFTGS GCEGGC PPGRYGPGCEQL	1127
CG56449-01	1092	GGCLNGLCDPHTGRCLCP AGWTGDKCQSPAACAKGTFGPHCEGRACRWGGPCHLATGA	1151
CG56449-06	1091	GGCLNGLCDPHTGRCLCP AGWTGDKCQSPAACAKGTFGPHCEGRACRWGGPCHLATGA	1150
CG56449-02	1086	GGCLNGLCDPHTGRCLCP AGWTGDKCQSPAACAKGTFGPHCEGRACRWGGPCHLATGA	1145
CG56449-08	1096	GGCLNGLCDPHTGRCLCP AGWTGDKCQSPAACAKGTFGPHCEGRACRWGGPCHLATGA	1155
CG56449-03	1128	GGCLNGLS CDAATGACRCPTGFLGTDNCN- -LTCPPGRFGPNCTHVC GCGGGAACDPVTGT	1185
CG56449-01	1152	CLCPPGWRGPHLSAACLRGWFGACAQRCS CPPGAACHHVTGACRCP PGFTGS GCEQACP	1211
CG56449-06	1151	CLCPPGWRGPHLSAACLRGWFGACAQRCS CPPGAACHHVTGACRCP PGFTGS GCEQACP	1210
CG56449-02	1146	CLCPPGWRGPHLSAACLRGWFGACAQRCS CPPGAACHHVTGACRCP PGFTGS GCEQACP	1205
CG56449-08	1156	CLCPPGWRGPHLSAACLRGWFGACAQRCS CPPGAACHHVTGACRCP PGFTGS GCEQACP	1215
CG56449-03	1186	CLCPPGRAGVRCERGCPQNRFGVGCEHTCS CRNGGLCHASN GSCSGLGWTGRHCELACP	1245
CG56449-01	1212	PGSFGEDCAQMCQCP GENP ACHPATGTCSCAAAGYHGPSCQQRCP PGRYGPGCEQLCGCLN	1271
CG56449-06	1211	PGSFGEDCAQMCQCP GENP ACHPATGTCSCAAAGYHGPSCQQRCP PGRYGPGCEQLCGCLN	1270
CG56449-02	1206	PGSFGEDCAQMCQCP GENP ACHPATGTCSCAAAGYHGPSCQQRCP PGRYGPGCEQLCGCLN	1265
CG56449-08	1216	PGSFGEDCAQMCQCP GENP ACHPATGTCSCAAAGYHGPSCQQRCP PGRYGPGCEQLCGCLN	1275
CG56449-03	1246	PGRYGAACHLECSCHN- NS TGE PATGTORCPGPGYGAACEHP CPPGFHGAAGCQGLCWQH	1304
CG56449-01	1272	GGSCDAATGACRCPTGFLGTDNCNLTCPPGRFGPNCTHVC GCGGGAACDPVTGTCLCPPGR	1331
CG56449-06	1271	GGSCDAATGACRCPTGFLGTDNCNLTCPPGRFGPNCTHVC GCGGGAACDPVTGTCLCPPGR	1330
CG56449-02	1266	GGSCDAATGACRCPTGFLGTDNCNLTCPPGRFGPNCTHVC GCGGGAACDPVTGTCLCPPGR	1325
CG56449-08	1276	GGSCDAATGACRCPTGFLGTDNCNLTCPPGRFGPNCTHVC GCGGGAACDPVTGTCLCPPGR	1335
CG56449-03	1305	GAPCDPISGRCLCPAGFHGHFCERGC EPGSFGECHQRCD CDGGAPCDPVTGLCLCPPGR	1364
CG56449-01	1332	AGVRCERGCPQNRFGVGCEHTCS CRNGGLCHASKR----- QLLLWPGLDGAA	1378
CG56449-06	1331	AGVRCERGCPQNRFGVGCEHTCS CRNGGLCHASKR----- QLLLWPGLDGAA	1377
CG56449-02	1326	AGVRCERGCPQNRFGVGCEHTCS CRNGGLCHASKR----- QLLLWPGLDGAA	1372
CG56449-08	1336	AGVRCERGCPQNRFGVGCEHTCS CRNGGLCHASN GSCSGLGWTGRHCELACPPGRYGAA	1395
CG56449-03	1365	SCATCNLD CRRGQFGP SCTLHCD CCGGADCDPVSG----- QCHCVDGYMGPT	1411
CG56449-01	1379	LRAGLS-----PWALRSRLPSGVLLPQQQH-----	1404
CG56449-06	1378	LRAGLS-----PWALRSRLPSGVLLPQQQH-----	1403
CG56449-02	1373	LRAGLS-----PWALRSRLPSGVLLPQQQH-----	1398
CG56449-08	1396	CHLECSCHNNSTCEPATGTCECGPGFYGQACEPCPPGFHGAAGCQGLCWCQHGAPCDPIS	1455
CG56449-03	1412	CREGGP-----LRLPENPSLAQGSAGTLPASSRPTSRSGGP ARH-----	1450
CG56449-01	1404	-----	1404
CG56449-06	1403	-----	1403
CG56449-02	1398	-----	1398
CG56449-08	1456	GRCLCPAGFHGHFCERGC EPGSFGECHQRCD CDGGAPCDPVTGLCLCPP GRS GATCNLD	1515
CG56449-03	1450	-----	1450
CG56449-01	1404	-----	1404
CG56449-06	1403	-----	1403
CG56449-02	1398	-----	1398
CG56449-08	1516	CRRGQFGP SCTLHCD CCGGADCDPVSGQCHCVDGYMGPTCREAGTLPASSRPTSRSGGPA	1575
CG56449-03	1450	-----	1450
CG56449-01	1404	--	1404
CG56449-06	1403	--	1403
CG56449-02	1398	--	1398
CG56449-08	1576	RH	1577
CG56449-03	1450	--	1450

TRA 1931356v1